SWP Weekly Water Quality Summary

July 13 to 19, 2010

Electrical Conductivity (EC): Concentrations increased at Harvey O. Banks Pumping Plant (HBP), Check 29, Check 41 and Vallecitos, but decreased at Barker Slough. Concentrations ranged from 181 to 411 µS/cm (109 to 247 mg/L) and were below the Article 19 Monthly Average Objective of 733 µS/cm (440 mg/L). EC increased at HBP from 181 µS/cm to 208 µS/cm (109 to 125 mg/L), while the lowest concentration of 206 µS/cm (124 mg/L) occurred at Vallecitos, and the highest concentration of 411 µS/cm (247 mg/L) occurred at Check 29.

Bromide*: Concentrations exceeded the California Bay-Delta Authority Objective of 0.05 mg/L at Check 29, Check 41 and Barker Slough. HBP and Vallecitos had the lowest concentration of 0.05 mg/L, while the highest concentration of 0.17 mg/L occurred at Check 29.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: Turbidity levels decreased at HBP, Check 29, Barker Slough, and Vallecitos, but increased at Check 41. Turbidity levels ranged from 8.6 NTU to 64.6 NTU. On July 19, the lowest level of 8.6 NTU occurred at Vallecitos, while the highest level of 50.2 NTU occurred at Barker Slough. Turbidity levels at HBP decreased from 11.8 NTU to 10.4 NTU.

Dissolved Organic Carbon (DOC): Concentrations decreased from 2.8 mg/L to 2.7 mg/L at HBP, but increased from 3.6 mg/L to 3.8 mg/L at Check 13 and from 2.9 to 3.4 mg/L at Edmonston PP.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP remain low, ranging from non-detect (<1 ng/L) to 5 ng/L at Clifton Court Inlet, HBP, Del Valle Check 7, Lake Del Valle Outlet, San Luis Reservoir, Pacheco PP and O'Neill Forebay Outlet (Check 13).

Ground water pump-ins to the California Aqueduct totaled 2,658 AF. The breakdown of the total volume was:

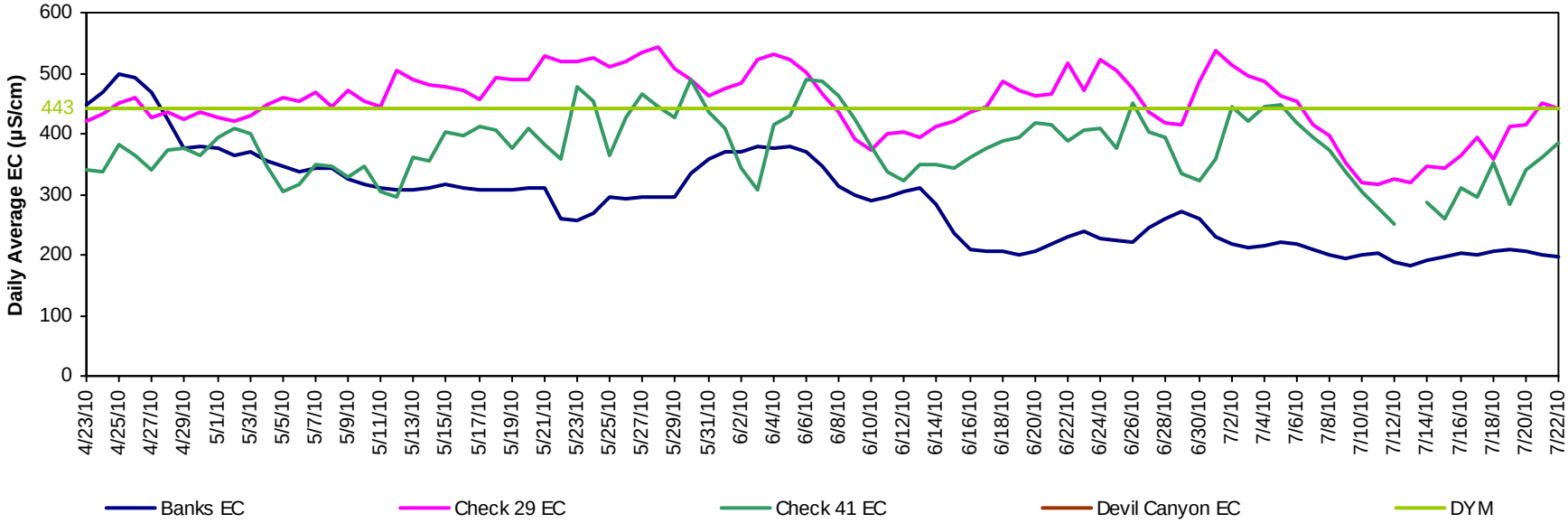
- Arvin-Edison Water Storage District = 0 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 99 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 0 AF
- Semitropic (2&3) Water Storage District = 2,559 AF
- Wheeler Ridge Maricopa Water Storage District = 0 AF

As of July 19, 2010, no data were available for Devil Canyon due to malfunctioning instruments.

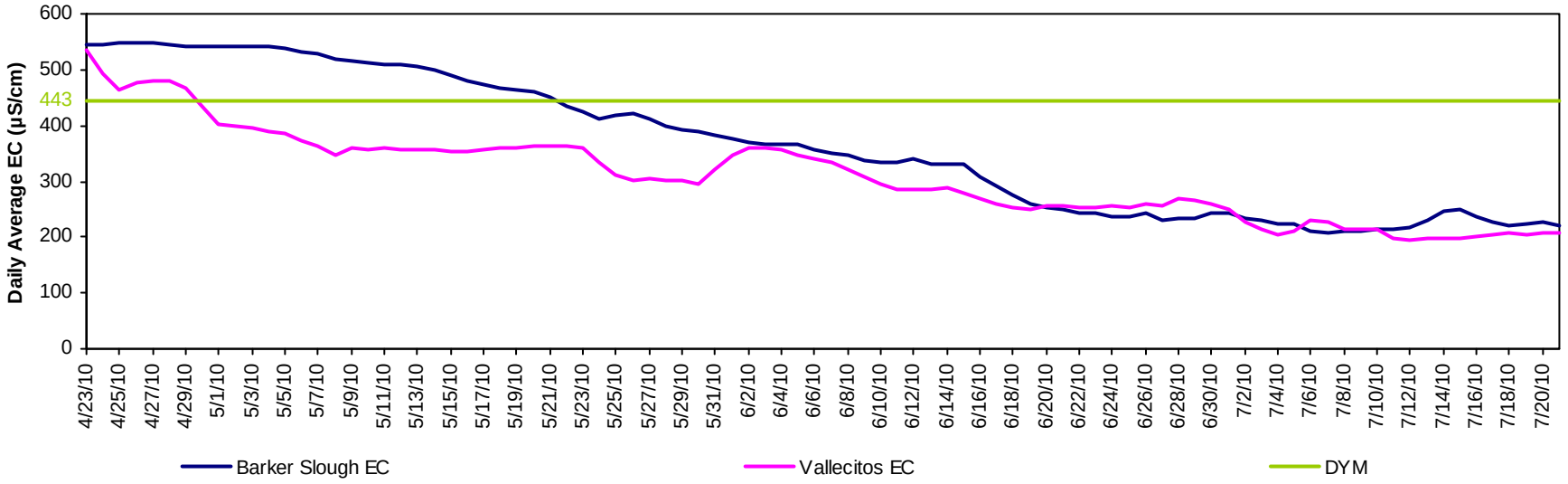
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213 or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

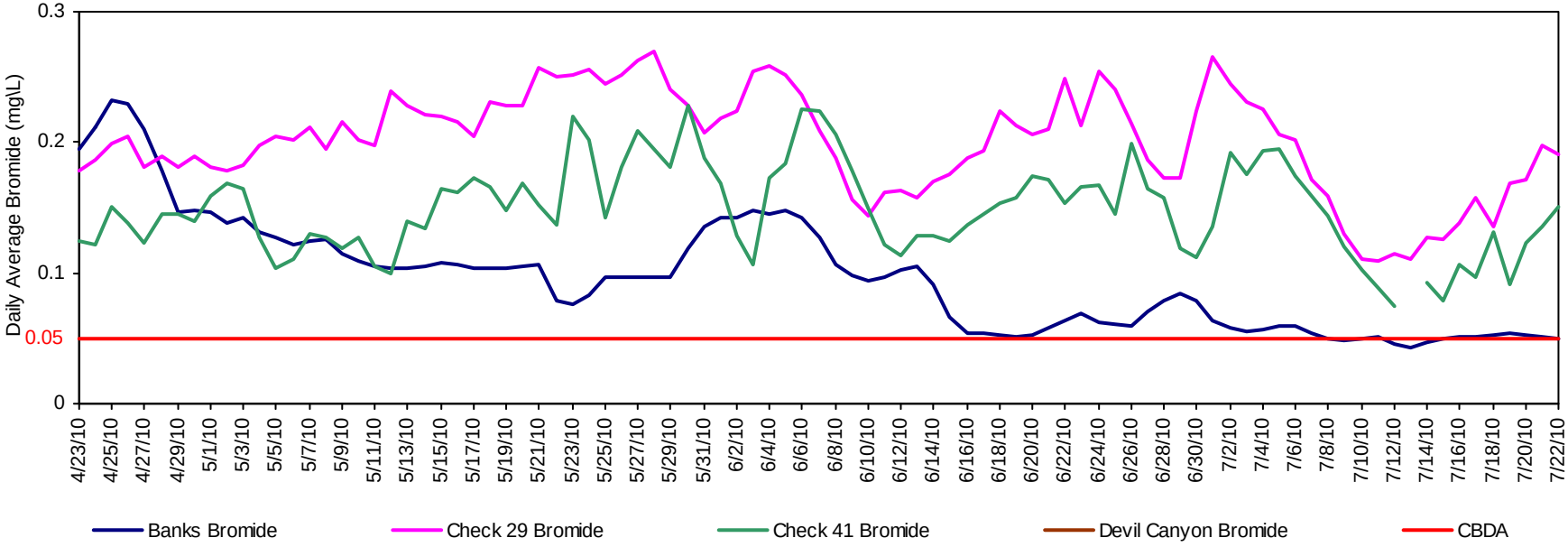
California Aqueduct - Electrical Conductivity



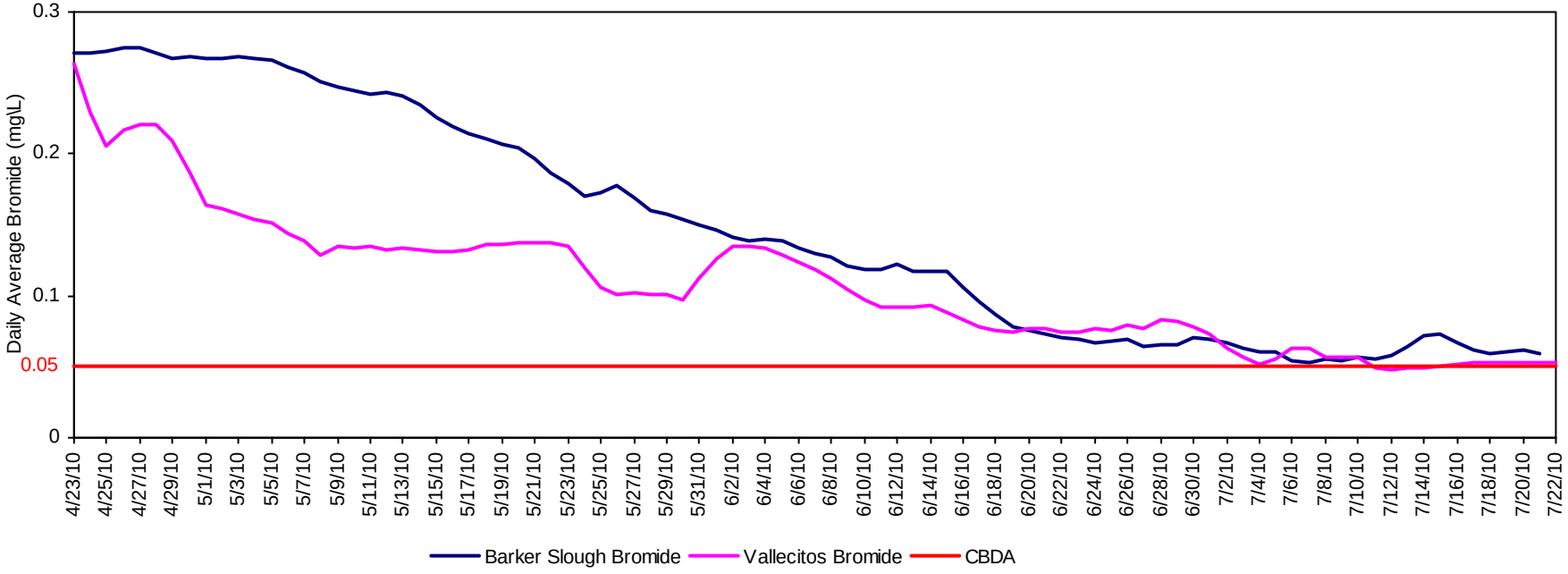
North and South Bay Aqueduct - Electrical Conductivity



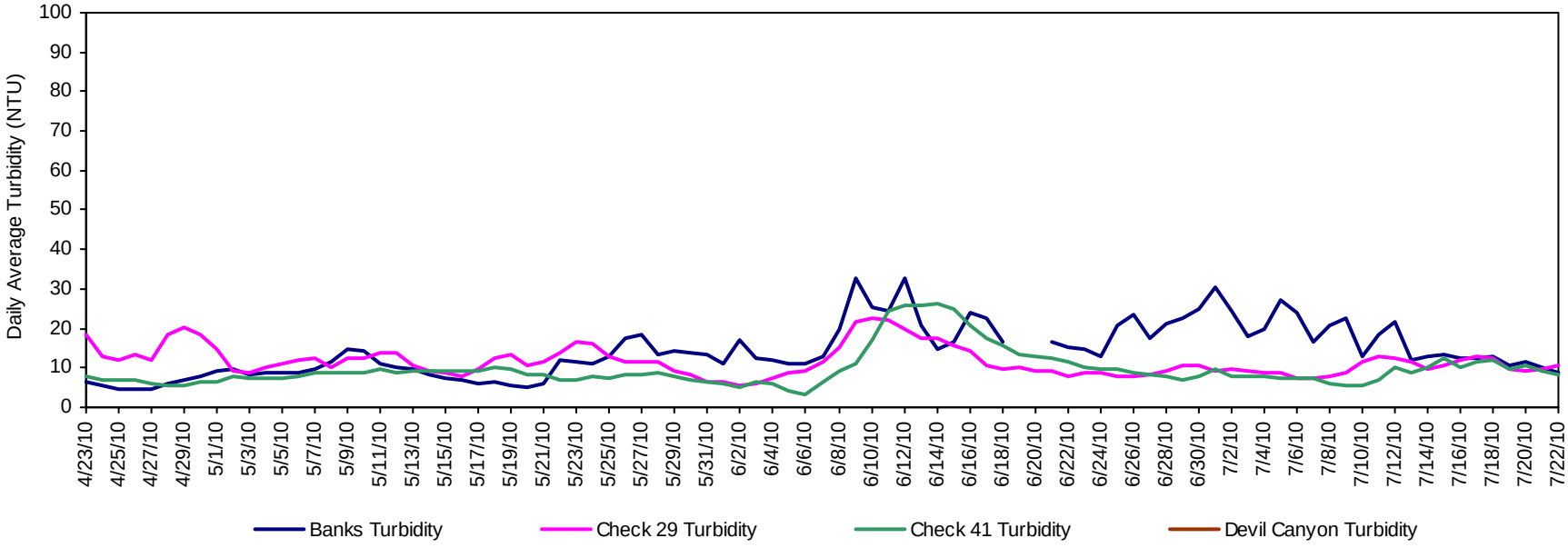
California Aqueduct - Calculated Bromide



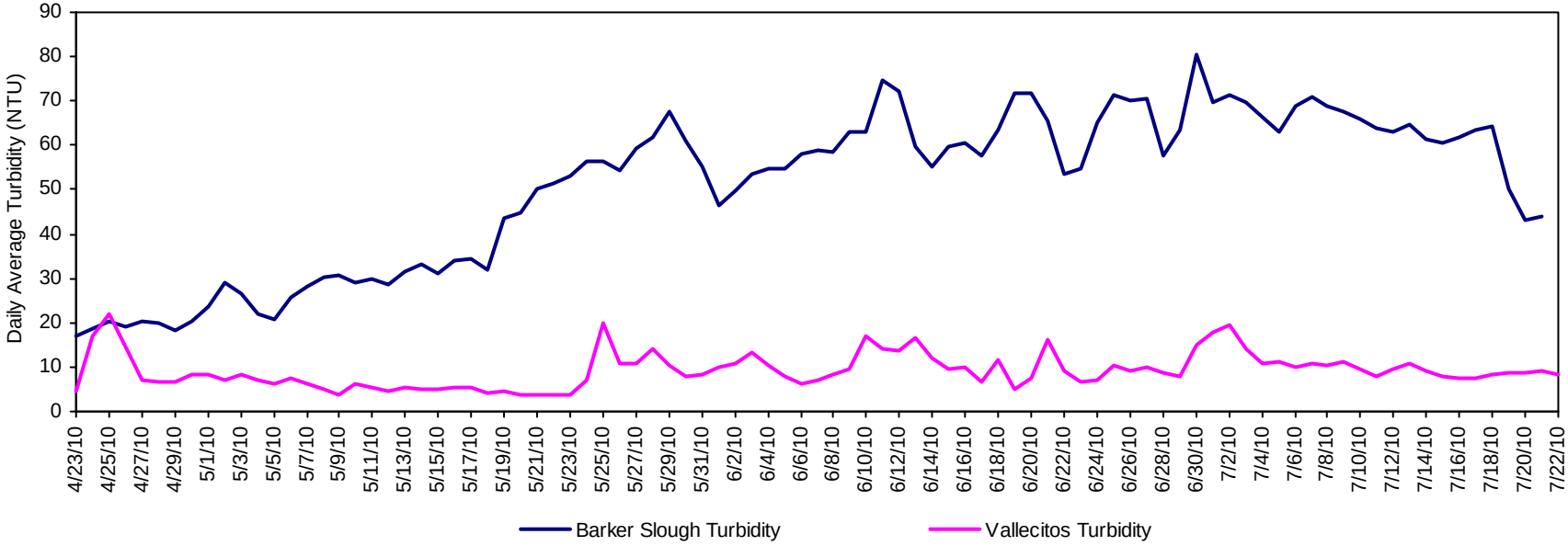
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct
Calculated Dissolved Organic Carbon